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underlined = deleted in targeting construct

**bold** = sequence flanking Neo insert in targeting construct

CCTTTCCATAGAGAAC**CAAAGAAC**TAAAGAAATTC**TGTGACAAATGGACAATATAAT**TGGC  
CCAGTGTTCCTCCTCATGGTAATCTCATGCCCTC**TACAATCTACATCCAGTACACTCTC**  
AGGTCAACATCAGAGTAAGGATATGGAGCCTAGGATCCC**TTCTTAAACAAC**TGGAGACGT  
AATAACCC**TTCTTTATTAATGCATAGAATTAAGATTTCCATAGGGATATTTAACAGAAAAC**  
CACATTTACTCTATTACCCCTAGAA**TAGGTACTTTTAAATAGAAGGTGATGTGGGATCTG**  
AGGTAGGCGGGACAAGAA**TGGAGACACATCTGAAAAATAGTTATTGTTGAAAAATTTT**AG  
GTACTGACAAGATGGAAGTCAACATTTCAATGCCCTCTGAATGGATCAGAAGTTGTGTTTT  
ATGATTC**TACCACCTCAAGTGTTC**TATGGATCCTCTCATTAGTGGTTCTCTTTATAACCT  
TTGTCC**TCGGTGTTCT**AGGTAATGGGC**TTGTGATTTGGGTGGCTGGGT**TCAGATGGCAC  
ACACTGTGA**CCACTGTCTCTTATCTGAAC**TTGGC**TTTGAGTGATTTATCTTT**CATGGTTA  
CTCTACCAC**TTACATCATCTCAATGGTCATGAGAGGAAAA**TGGC**TTTTGGTTGGTTTC**  
TTTGCAAATTAGTT**CACATAATTGCAAACATAAACCTTTTTGTAAGTATCTTCCTAATCA**  
CTCTTATTGCCATGGATCGCTGTATT**TGTGTCCGTG**CCCCAGTATGGTCTCAGAA**TCACC**  
GAAC**TGTGAGTCTGGCCAGAAAAGTGGTCTTGGAGCTTGGATATTTGCTCTGCTGCTTA**  
CCTTGCCACATTT**CTCTCTTGACTACAGTGAGAGATGCAAGAGGGGATGTGTACTGTA**  
TATCTAAATTTGAATCCTGGGT**TGCAACCTCTGAAGAGCAGTTAAAGATGTCTGTTATTG**  
CTGCCACAGCT**CAGGAATCATCAA**TTTCATTATTGGATT**CAGCATGCCCATGTCTTTCA**  
TTGCTATCTGCTATGGACTCATGGCTG**CCAAAGATCTGCAGAAGAGGC**TTTGTGAATTCCA  
GTCGTCCTTTACGTGTCC**CTCACTGCTGTAGCGATTTCCCTCTTTGCTGTTGGTTCCCTT**  
TTCAATTAATTATGCTTTTAGGCAACATCTTTAA**CAATGAGACACTGAGCATTATTCATA**  
TGTTGGTTA**ACCCAGCAAATACCTTGGCTTCCTTTAACAGCTGCCTCAACCCAATACTCT**  
ATGTATTCCTGGGT**CAGGAATTCAGAGACAGACTAATCTATTCTCTGTATGCCAGTCTAG**  
AGAGGGCCCTGAGGGAAGACTAGTCC**TTGATGGAAAATCAGTCC**TGAGCACTGACACAG  
ACAGCAACTTGTCTTCATGAAC**TGCAGACTCTGAGCTATAGGAAATGGCAGGAGTAAGGC**  
CAATGGGATTTTTTTTTTCCCTACCCTAGTCTTAATTTCTGTCTTATCC**TATCTTGCATGA**  
AATTTCTGAGTATAAC**TATAGAATCTCTCTGATTCTGATT**TGGAAGACAGAA**GT**

SEQ ID NO: 1

FIGURE 2A